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ECS–GRADE 12 CURRICULUM AND RESOURCES

Achievement Testing Program

- June 1993 test results. School reports on the June 1993 achievement tests were mailed in November. These reports provide detailed information on the results of the tests in Grade 3 Language Learning, Grade 6 Social Studies and Grade 9 Science. Teachers in all grades are encouraged to discuss the results and use them in a diagnostic way in planning instructional programs.

For more information, contact Dennis Belyk at 427–0010.

- Samples of student work from achievement testing. The following samples of student work from the 1992 achievement tests are published and are in your school:
  - *Samples of Students' Writing from the Grade 6 English Language Arts Achievement Test, June 1992*
  - *Samples of Students' Responses from the Grade 9 Mathematics Performance-Based Tasks, June 1992.*

These samples are excellent resources for classroom use in planning instruction and assessment. They illustrate the performance standards used in provincial assessments. Accompanying comments highlight specific features of each sample in relation to provincial standards.

For more information, contact Jo-Anne Hug (language arts), Kay Melville (mathematics) or Dennis Belyk (both subjects) at 427–0010.

Junior Encyclopedia of Canada

The LRDC is offering the *Junior Encyclopedia of Canada* at a 60% discount to all Alberta residents. The five-volume set is available for $50.00. Alberta schools can apply the Learning Resource Credit Grant for this purchase at a net cost of $37.50 plus GST. Shipping and handling is included.

The set is an authorized basic resource in all programs of study for Grades 7–12.

For more information, contact the LRDC at 427–2767, Fax 422–9750.

New Diagnostic Evaluation Materials

- *Evaluating Students' Learning and Communication Processes.* This diagnostic evaluation program is designed for teachers and students in Grades 7–10. The program is based on learning and communication processes common to various disciplines. Evaluation is illustrated in the context of teaching in science, social studies and language arts. The program is available from the LRDC.

– *Diagnostic Reading Program, Book 5: Diagnostic Teaching in a Language Learning Framework*. This handbook is intended primarily for use by elementary classroom teachers. The book is designed for use during regular classroom activities and clearly links these activities with the conceptual framework in the original four handbooks of the *Diagnostic Reading Program*.

For more information, contact Dennis Belyk at 427–0010.

Principles for Fair Student Assessment Practices for Education in Canada

This is a new set of guidelines developed collaboratively by a number of educational and specific professional groups, as well as the provincial education ministries. The guidelines provide a framework for educators in the Canadian context. Copies are available in all schools.

For more information, contact Tom Dunn or Frank Horvath at 427–0010.

Special Education

The following resources are available as a package or sold separately. To purchase the video only, contact ACCESS Network. Packages of the video and document together, or either resource separately, will be available from the LRDC in March 1994.

– *Towards Inclusive Education,* 1993, ACCESS Network, is a three-part video series that portrays the strategies administrators and teachers use to meet the challenges of integration in their schools and classrooms. The programs feature examples appropriate for all grade levels and students with a variety of exceptional needs. Through real-life examples, strategies for the following are provided:
  - planning and team building (Program 1)
  - teaching (Program 2)
  - multilevel instruction (Program 3).

– *A Vision Shared: Towards Inclusive Education*, 1994, Special Education Branch, supports the video and further introduces administrators and teachers to placement policy and integration strategies. It will be of interest to educators at all grade levels and is relevant to a wide variety of students with exceptional needs. The manual contains information regarding:
  - teaching strategies for integrated settings
  - preparing the peer group for the arrival of students with exceptional needs
  - building a school-based support team
  - planning for integration
  - classroom organization
  - additional helpful resources.

For more information, contact Grace LeBlanc at 422–6326.

ECS–ELEMENTARY CURRICULUM AND RESOURCES

Art (French)

The following teaching resource is authorized for both the francophone and immersion programs and is available from the LRDC:

– *Le rôle de la ligne, Initiation à l'art graphique* (Gründ/Diffusion Prologue).

For more information, contact René Mathieu at 427–2940.

Early Childhood Education (French)

The following teaching resources are authorized for both the francophone and immersion programs and are available from the LRDC:

– *Les petites oreilles — Série 2, Radio Canada* (Éducation et formation professionnelle, Manitoba)

– *L'éducation physique pour les élèves ayant des besoins particuliers* (Éducation et formation professionnelle, Manitoba).

For more information, contact Ghislaine Lavergne at 427–2940.

Français and French Language Arts

The following teaching resources are authorized for francophone and immersion programs and are available from the LRDC:

- *Les petites oreilles — Série 2, Radio Canada* (Éducation et formation professionnelle, Manitoba)

- *La boîte à idées — Mille et un trucs pour stimuler la créativité à l'oral et à l'écrit* (Les publications Graficor inc.).

A complete review of dictionaries authorized for Français and French Language Arts has resulted in several listing changes. Schools will receive a summary of authorizations shortly.

For more information, contact Alain Nogue at 427–2940.

Health (French)

The following teaching resources are authorized for both the francophone and immersion programs and are available from the LRDC:

- *Secourisme,* 15e éd. (La société canadienne de la Croix-Rouge)

- *Jeunes du Canada en bonne santé 1 — Guide ressources pour les enseignantes et les enseignants* (Les Éditions de la Chenelière)

- *Jeunes du Canada en bonne santé 2 — Guide ressources pour les enseignantes et les enseignants* (Les Éditions de la Chenelière)

- *Jeunes du Canada en bonne santé 3 — Guide ressources pour les enseignantes et les enseignants* (Les Éditions de la Chenelière)

- *Mon nouveau moi*, National Film Board (available from ACCESS Network).

For more information, contact Ghislaine Lavergne at 427–2940.

Interdisciplinary Resources

The following authorized teaching resources are available from the LRDC:

Grades 1–3

- *The Project Approach: A Practical Guide for Teachers* (University of Alberta).

Grades 3 and 4

- *A Time for Learning, A Time for Joy, Part 2: The Early Years: A Sourcebook for Grades 3 and 4* (Manitoba Education and Training).

For more information, contact Jenny Crane at 427–2984.

Interdisciplinary Resources (French)

The following teaching resource is authorized for both the francophone and immersion programs and is available from the LRDC:

- *La boîte à idées — Mille et un trucs pour stimuler la créativité à l'oral et à l'écrit* (Les publications Graficor inc.).

For more information, contact René Mathieu at 427–2940.

Mathematics

A revised draft of the elementary mathematics program was distributed to all elementary schools in January. Responses to the draft will be used in making final revisions to the program. Provincial implementation is scheduled for September 1994.

The following authorized resources are available from the LRDC:

Basic Resources

- *Interactions Series (*Ginn)
  - *Interactions 3* (student text, Grade 3)
  - *Interactions 4* (student text, Grade 4).

Teaching Resources

- *Active Learning Series* (Exclusive Educational Products)
  - *Mathematical Problem Solving for Primary Grades K–3*

- *SAIL Through Mathematics Program by Richard Skemp* (Ecumar)
  - *Structured Activities for Intelligent Learning* — Teaching Guide Volume 1, Photomasters Volume 1A and Student Activity Cards (Grades 1 and 2)
- *Active Mathematics Series* (Gage), (Level 1: K–2, Level 2: Grades 3–4)
  - *Space: Data Collection and Representation — blackline masters*
  - *Number — blackline masters*
  - *Measurement — blackline masters*
  - *Teacher's Resource Books*
- *Interactions Series* (Ginn)
  - *Interactions 1: Teacher's Resource Binder* (a basic teaching resource for Grade 1; accompanying student activity cards and books)
  - *Interactions 3: Teacher's Resource Binder* (Grade 3)
  - *Interactions 4: Teacher's Resource Binder* (Grade 4).

Grades 1–6

The following authorized resources are available from ACCESS Network:

- *Elementary Math Inservices*
  - *More Than Just the Right Answer*
  - *Problem Solving*
  - *Estimation*
  - *Data Management*
  - *Manipulatives*
  - *Viewer's Guide.*

For more information, contact Mary Anne Nissen at 427–2984.

Mathematics (French)

The following are authorized as teaching resources for both the francophone and immersion programs and are available from the LRDC:

- *Problèmes et stratégies — Cahier de résolution de problèmes — 3e année* (Éditions Beauchemin Ltée.)
- *Problèmes et stratégies — Cahier de résolution de problèmes — 3e année,* Corrigé (Éditions Beauchemin Ltée.)
- *Problèmes et stratégies — Cahier de résolution de problèmes — 4e année* (Éditions Beauchemin Ltée.)
- *Problèmes et stratégies — Cahier de résolution de problèmes — 4e année,* Corrigé (Éditions Beauchemin Ltée.)
- *Problèmes et stratégies — Cahier de résolution de problèmes — 5e année* (Éditions Beauchemin Ltée.)
- *Problèmes et stratégies — Cahier de résolution de problèmes — 5e année,* Corrigé (Éditions Beauchemin Ltée.)
- *Problèmes et stratégies — Cahier de résolution de problèmes — 6e année* (Éditions Beauchemin Ltée.)
- *Problèmes et stratégies — Cahier de résolution de problèmes — 6e année,* Corrigé (Éditions Beauchemin Ltée.)
- *Programme diagnostique de mathématiques — Élémentaire* (Alberta Education/Languages Services Branch)
  - *Premier cycle*
    Géométrie
    Mesure
    Numération
    Opérations et propriétés
    Résolution de problèmes
  - *Deuxième cycle*
    Géométrie
    Mesure
    Numération
    Opérations et propriétés
    Résolution de problèmes.

Workshops will be held for the implementation of the new *Programme diagnostique de mathématiques* for francophone and immersion programs at the elementary level. The dates and locations are as follows:

Bonnyville (École Brosseau):
March 10–11, 1994

Calgary (Rocky Mountain Plaza):
March 15–16, 1994

Peace River (North Peace Catholic Centre):
March 24–25, 1994

Edmonton (Harley Court Building):
April 21–22 and April 27–28, 1994.

For more information, contact Ghislaine Lavergne or Suzanne Gareau-Kubicki at 427–2940.

Music (French)

The following resources are authorized for both the francophone and immersion programs and are available from the LRDC:

Basic Resource

- *Éducation musicale kodálienne — Manuel de l'élève, 3e éd.* (Éditions R.G. Proulx) (new edition).

Teaching Resource

- *L'éducation musicale à l'élémentaire — Guide d'enseignement - Élémentaire — Deuxième cycle* (Alberta Education/ Language Services Branch). (Copies will be distributed to immersion and francophone schools in February.)

For more information, contact René Mathieu at 427–2940.

Physical Education

The following authorized teaching resources are available from the LRDC:

Grades 1–6

- *The Biggest Little Games Book Ever!: For Teachers and Community Leaders Everywhere* (Creative Network)

- *Ready to Use P.E. Activities:*
  - *Grades K–2*
  - *Grades 3–4*
  - *Grades 5–6.*

Grades 4–6

- *Shuttle: A Skills Development Program of Badminton Canada: Instructor's Manual.*

For more information, contact Jenny Crane at 427–2984.

Physical Education (French)

The following teaching resource is authorized for both the francophone and immersion programs and is available from the LRDC:

- *L'éducation physique pour les élèves ayant des besoins particuliers* (Éducation et formation professionnelle, Manitoba).

For more information, contact Ghislaine Lavergne at 427–2940.

Science

A draft copy of the *Elementary Science Program of Studies* was mailed to all elementary schools for response. Final revisions will be made so that optional implementation may occur in September 1994. Teaching and learning resources will be selected to support the program, scheduled for provincial implementation September 1995.

- *Science Learning: Coming to Know the World* video and accompanying teacher guide, available from ACCESS Network, is intended to assist teachers in implementing inquiry-based science instruction.

For more information, contact Al McGillis at 427–2984.

Science (French)

The following teaching resources are authorized for both the francophone and immersion programs and are available from the LRDC:

- *Sciences en marche 1 — Matériel d'évaluation* (Les Éditions de la Chenelière)

- *Sciences en marche 2 — Matériel d'évaluation* (Les Éditions de la Chenelière)

- *Sciences en marche 3 — Matériel d'évaluation* (Les Éditions de la Chenelière)

- *Sciences en marche 4 — Matériel d'évaluation* (Les Éditions de la Chenelière)

- *Sciences en marche 5 — Ressource de l'enseignant* (Les Éditions de la Chenelière)

- *J'aime les expériences — par le professeur Scientifix* (Les Éditions Héritage inc.).

For more information, contact Ghislaine Lavergne at 427–2940.

Social Studies (French)

Basic Resource

Grade 6

The French language edition of *Life in Ancient Greece, La vie dans la Grèce antique*, will be published shortly by Plains Publishing.

For more information, contact Alain Nogue at 427–2940.

Special Education (French)

The following teaching resource is authorized for both the francophone and immersion programs and is available from the LRDC:

– *L'éducation physique pour les élèves ayant des besoins particuliers* (Éducation et formation professionnelle, Manitoba).

For more information, contact Suzanne Gareau-Kubicki at 427–2940.

JUNIOR–SENIOR HIGH SCHOOL CURRICULUM AND RESOURCES

A Credit to Yourself

In January, 70,000 copies of *A Credit to Yourself* were distributed to junior and senior high schools.

– 1 copy was sent to each Grade 9 student with additional copies for administrators and counsellors

– 1 class set was distributed to every high school, with additional copies for administrators and counsellors.

All copies have now been distributed, however blackline masters have been prepared for schools wishing to duplicate the booklet.

The blackline masters contain a clarification on page 17 that is not included in the original document. The clarification notes that some courses defined as "core" in the booklet may not satisfy the "core" courses requirements for Rutherford Scholarships.

For more information, contact John Blevins at 422–4872.

Career and Technology Studies (French)

Enterprise and Innovation

The following teaching resource is authorized and is available from the LRDC:

Grade 9

– *Entreprise et innovation — Guide d'enseignement* (Alberta Education/ Language Services Branch).

For more information, contact René Mathieu at 427–2940.

Français and French Language Arts

A complete review of dictionaries authorized for Français and French Language Arts has resulted in several listing changes. Schools will receive a summary of authorizations shortly.

For more information, contact Alain Nogue at 427–2940.

JUNIOR HIGH SCHOOL CURRICULUM AND RESOURCES

Art (French)

The following teaching resource is authorized and is available from the LRDC:

– *Le rôle de la ligne, Initiation à l'art graphique* (Gründ/Diffusion Prologue).

For more information, contact René Mathieu at 427–2940.

English Language Arts

The 1987 *Junior High English Language Arts Program of Studies* is being revised. A draft will be ready to distribute to the field in the spring. Grade level standards are also being developed and will be distributed for review in 1994.

Teaching Resources

The teacher's guides for the following seven student anthologies in *The Issues Collection* (McGraw-Hill Ryerson) are authorized as teaching resources and are available from the LRDC:

- *Biography*
- *Gender Issues*
- *Global Issues*
- *Multiculturalism*
- *Music*
- *Native Voices*
- *Values.*

For more information, contact Barbara Esdale or Dan Clarke at 427–2939.

Environmental and Outdoor Education (French)

The following authorized teaching resources are available from the LRDC:

- *Environnement et plein air — Guide d'enseignement — 1er cycle secondaire* (Alberta Education/Language Services Branch)
- *Nous, on prend l'ÈRE — Primaire, 2e cycle — Guide pédagogique d'intégration des matières en éducation relative à l'environnement* (Société Linnéenne du Québec)
- *Secourisme (15e éd.)* (La société canadienne de la Croix-Rouge).

The following authorized teaching resource can be ordered directly from Tom Bateman, Environmental Protection, Fish and Wildlife Services, North Tower Petroleum Plaza, 9945 – 108 Street, Edmonton, Alberta, T5K 2G6, Telephone (403) 427–6735, Fax (403) 422–9560:

- *Atout-Faune — Guide des activités, 2e éd. revisée* (Fédération canadienne de la faune).

For more information, contact René Mathieu or Denise Stocco at 427–2940.

French as a Second Language

The following 60-minute videocassette is authorized at the intermediate level and is available through ACCESS Network:

- *Vidéo France: Panorama de la France.*

The following basic learning resource has been authorized at the intermediate level 4 and is available through LRDC:

- *Passages 2.*

For more information, contact Wally Lazaruk at 427–2940.

Health (French)

The following authorized teaching resources are available from the LRDC:

- *Rond-point — Formation personnelle et sociale — 1er cycle du secondaire* (Les Éditions HRW Ltée.)
- *Rond-point — Formation personnelle et sociale — 3e secondaire Guide pédagogique* (Les Éditions HRW Ltée.)
- *Secourisme, 15e éd.* (La société canadienne de la Croix-Rouge).

For more information, contact Ghislaine Lavergne at 427–2940.

Inservice on Healthy Sexuality Education for Junior High Teachers

Research has shown that although young people often have a high level of knowledge about sexuality, they do not always have the skills to translate this knowledge into healthy behaviours and decisions. These inservices will focus on developing skills through lessons and activities that are appropriate for junior high students. These skills will assist students in making informed decisions to abstain from or postpone sexual intercourse and in developing healthy relationships.

Inservices will be held in various locations throughout the province during February, March and April.

For more information, contact Gina Vivone-Vernon at 427–2984.

Interdisciplinary (French)

The following resources are authorized and are available from the LRDC:

Basic Resources

- *Microsoft Word, French Macintosh Version 5.10* (Microsoft Canada Inc.)
- *Microsoft Word for Windows, French Version 2.0* (Microsoft Canada Inc.).

For more information, contact René Mathieu at 427–2940.

Physical Education

The following authorized teaching resource is available from the LRDC.

Grades 7–9

- *Ready-to-Use P.E. Activities for Grades 7–9.*

For more information, contact Gina Vivone-Vernon at 427–2984.

Physical Education (French)

The following authorized teaching resources are available from the LRDC:

- *L'éducation physique pour les élèves ayant des besoins particuliers* (Éducation et formation professionnelle, Manitoba)
- *Secourisme, 15e éd.* (La société canadienne de la Croix-Rouge).

For more information, contact Ghislaine Lavergne at 427–2940.

Science

LXR Item Banks for Macintosh

LXR item banks for Macintosh are available for Science 8 from the Alberta Distance Learning Centre.

For more information, contact Instructional Technology and Media at 674–5333, extension 179.

Social Studies

LXR Item Banks for Macintosh

LXR item banks for Macintosh are available for Social Studies 8 from the Alberta Distance Learning Centre.

For more information, contact Instructional Technology and Media at 674–5333, extension 179.

Teaching Resource

The following teaching resource is authorized for Social Studies 7, Topic A:

- *Culture Quest: Teacher's Guide,* 1993 (Prentice-Hall Canada Inc.).

For more information, contact Joan Engel at 427–2939.

SENIOR HIGH SCHOOL CURRICULUM AND RESOURCES

Accounting (French)

The following teaching resource is authorized and is available from the LRDC:

- *Microsoft Excel for Windows, French Version 4.00.*

For more information, contact René Mathieu at 427–2940.

Art (French)

The following teaching resource is authorized and is available from the LRDC:

- *Les techniques de la gravure — Guide des techniques et de l'histoire de la gravure d'art originale* (Gründ/Diffusion Prologue).

For more information, contact René Mathieu at 427–2940.

Career and Life Management (CALM) 20 (French)

The following teaching resource is authorized and is available from the LRDC:

- *À toi de choisir*, videocassette (Bureau de la main-d'oeuvre féminine).

For more information, contact Ghislaine Lavergne at 427–2940.

Diploma Examinations Program Annual Report

The 1992–93 annual report will be in high schools in February. The report presents full-year results in diploma examination courses for the 1992–93 school year and summary results for the past three years. Results for diploma examinations and school-awarded marks are included as well. This year's report also includes the results of a special study of English 30 students' writing on the June 1993 diploma examinations. The study focused on students' abilities to express themselves correctly in writing and indicated that although students can spell acceptably, their writing demonstrates serious difficulties in sentence construction and use of words. This study is important for all high school teachers.

For more information, contact Elana Scraba at 427–0010.

English Language Arts

The evaluation of potential senior high novels and full length nonfiction titles is nearing completion. From December 1993 to January 1994, 53 high school English teachers from across the province volunteered to read and complete an informal validation for three to five titles from the 96 potential new titles under consideration. The new 1994 listing of senior high novels and full length nonfiction for English 10, 13, 20, 23, 30 and 33 is expected in May and will be sent to all senior high English department heads at that time. The majority of the titles from the 1983 list that are still in print and available will remain authorized although some may be moved to a different course. An annotated listing of all titles on the new list is in development.

English 30

A revised edition (1993) of *Henry IV: Part I* from the Oxford School Shakespeare Series is authorized as a basic resource and is available from the LRDC.

For more information, contact Barbara Esdale at 427–2939.

English 20, Distance Learning

The following distance learning materials for English 20 are available from the LRDC: student modules and a learning facilitator's manual for teachers. The course is based on the following textbooks:

- *Literary Experience, Volume 1*
- *On Stage 2*
- *A Separate Peace*
- *MacBeth.*

For more information, contact Program Design and Development at 674–5333, extension 131.

French as a Second Language

The following videocassettes are authorized and are available through ACCESS Network:

- *Jeunes de France* (Advanced level: French 31a, 31b, 31c)
- *Vidéo France (Series)*
  - *Panorama de la France* (Intermediate levels 4, 5, 6: French 20 and 30)
  - *Profils des Français* (Advanced levels 7 and 8: French 31a and 31b)
  - *Optiques: la vie quotidienne* (Advanced levels 8 and 9: French 31b and 31c).

The following learning resources are authorized as basic resources and are available from the LRDC:

French 20

- *Passages 2* (Addison-Wesley)
- *Élans 1* (Centre éducatif et culturel)
- *Entre Amis 2,3* (Prentice-Hall)
- *Destinations 2,3* (Copp Clark).

French 30

- *Altitude (Tous Ensemble Series)*, (D.C. Heath)
- *Élans 2* (Centre éducatif et culturel)
- *Entre Amis 3/En direct 1* (Prentice-Hall)
- *Destinations 3,4* (Copp Clark).

For more information, contact Wally Lazaruk at 427–2940.

Handbook Updates

The *1993–94 Guide to Education: Senior High School Handbook* will remain in effect for the 1994–95 school year.

Updates to the handbook were sent to principals and superintendents in February.

For more information, contact John Blevins at 422–4872.

Interdisciplinary (French)

The following resources are authorized and are available from the LRDC:

Basic Resources

- *Microsoft Word, French Macintosh Version 5.10* (Microsoft Canada Inc.)
- *Microsoft Word for Windows, French Version 2.0* (Microsoft Canada Inc.).

For more information, contact René Mathieu at 427–2940.

Mathematics

CAI Math CD–ROMS

Beta test versions for Mathematics 13, 20, 23 and 33 are now available from the Alberta Distance Learning Centre.

For more information, contact Instructional Technology and Media at 674–5333, extension 179.

LXR Item Banks for Macintosh

LXR item banks for Macintosh are available for Mathematics 10, 20, 30, 13, 23, 33 and 31 from the Alberta Distance Learning Centre.

For more information, contact Instructional Technology and Media at 674–5333, extension 179.

Mathematics 31

Mathematics 31 is being revised to better meet the needs of senior high school students who plan to take post-secondary courses in mathematics, science or engineering. This course is being field-validated during the second semester of this school year with the expectation that it will be authorized for optional implementation in September 1994.

New resources have been authorized to support the existing course and the revised course. These resources are available from the LRDC.

Basic Resources

- *Calculus: A First Course*, 1989 (McGraw-Hill Ryerson Ltd.)
- *Calculus: A Problem-Solving Approach*, 1988 (John Wiley & Sons Canada Ltd.).

Teaching Resource

- *Single Variable Calculus, Second Edition*, 1991 (Brooks/Cole Publishing).

In addition, the authorization of the computer software *Zap-a-Graph* has been extended from Mathematics 10–20–30 to include Mathematics 31.

For more information, contact Hugh Sanders at 427–2984.

Music

The following resources are authorized for General Music 10–20–30:

Basic Resources

- *Basic Concepts of Music,* University of Wisconsin Extension, is an audio-print resource for the "Theory: Elements and Structures" module of General Music 10–20–30. The resource has 12 audiocassettes of 30 minutes per side. The initial focus is on becoming a better listener by understanding the elements; e.g., rhythm, melody, harmony, form. Examples are provided as well as a glossary tape. Each tape ends with a review. A faculty guide and a text study are included.

- *Sounds of the World* (Music Educators National Conference) is an audio-print resource for the "World Music" module of General Music 10–20–30. The resource narration provides a good description of the instruments along with musical examples. Drawings of the instruments are found in a pamphlet-style print guide. Five areas are focused on: 1) Music of East Asia — the Chinese, Korean and Japanese traditions in the United States; 2) Music of Eastern Europe — Albanian, Greek and South Slavic traditions in the United States; 3) Music of Latin America — Mexico, Ecuador and Brazil; 4) Music of Southeast Asia — Lao, Hmong and Vietnamese; 5) Music of the Middle East — Arabian, Iranian and Turkish. For each of the five areas there are three cassettes, each about 30 minutes per side.

Teaching Resource

- *Perceiving the Arts: An Introduction to the Humanities*, Third Edition (Prentice-Hall) is a print resource for the "History of Western Music" or the "Theory: Elements and Structures" modules of the General Music 10–20–30 program. The resource has an excellent and concise overview of the Visual Arts: painting, printmaking, photography and sculpture; the Performing Arts: music, theater, film and dance; the Environmental Arts: architecture; the Language Arts: literature. Each of the Arts is organized as follows: 1) What is it? 2) How is it put together? 3) How does it stimulate the senses? The resource provides phonetic pronunciation.

- *The Nature of Things: Conducting* (CBC Enterprises) is a videocassette for the "Careers" module of General Music 10–20–30. Students and professional conductors demonstrate various techniques involved in conducting the symphony orchestra. The video is 27 minutes long.

For more information, contact Earl Breiman at 427–2939.

Physical Education (French)

The following authorized teaching resources are available from the LRDC:

- *L'éducation physique pour les élèves ayant des besoins particuliers* (Éducation et formation professionnelle, Manitoba)

- *Secourisme, 15e éd.*, (La société canadienne de la Croix-Rouge).

For more information, contact Ghislaine Lavergne at 427–2940.

Science

Science 20, Distance Learning

Distance learning materials for Science 20 will be available in June from the LRDC. The following materials will be available: student modules and a learning facilitator's manual for teachers. The course is based on the textbook, *Visions 2* and it makes extensive use of videos.

For more information, contact Program Design and Development at 674–5333, extension 131.

Programs

Field test teachers and program consultants from the Student Evaluation and Curriculum Branches and the Alberta Distance Learning Centre met in December to review the 30-level science programs of study. Their suggestions included clarifying terms, depth and detail, deleting some sections, changing the sequence of topics and specifying the knowledge required from previous courses.

The subcommittees for Science 10–20–30, Biology 20–30, Chemistry 20–30 and Physics 20–30 met in late January to review the suggested changes and to make further recommendations for revisions prior to authorization of the programs in the spring.

Resources

Assessment

Teachers have been working with program consultants to develop improved assessment resources for Science 10–20, Biology 20, Chemistry 20 and Physics 20. These resources will consist of a variety of assessment items in contexts to match each of the learner expectations in the programs of study. They will be available on disk and hard copy from the LRDC in June.

Visions 3

The custom-developed *Visions 3* student text and teacher's guide are almost complete and ready for typesetting. Comments received from field validation teachers are incorporated. The student text will be available from the LRDC in May and the teacher's guide shortly thereafter.

Field Validation

The field validation of Science 30, Biology 30, Chemistry 30 and Physics 30 is into its second semester. Teachers report that the discipline programs are going very well and Science 30 is going reasonably well. Students are finding Science 30 interesting and challenging. Some teachers said that while Science 30 is appropriate for many students pursuing post-secondary studies in nonscience areas, the content needs to be reduced or delimited to make the standard of the course attainable for students experiencing difficulties with academic core programs. Teacher feedback is being used to revise the programs of study and *Visions 3* student text.

Post-secondary Acceptance of Science 30

A survey of post-secondary institutions in Alberta and universities in other parts of Canada reveals that Science 30 is accepted for admission into faculties and departments with nonscience and engineering orientations; for example, studies in arts and education. Of the out-of-province universities, Bishop's University and Simon Fraser University will accept Science 30 for entrance into all programs, including science programs. For most other universities, students must have specific prerequisites in the disciplines before taking programs in biology, physics or chemistry. Beginning this year, students at the University of Alberta may enroll in a special "expanded" first year physics course without the Physics 30 prerequisite. At the University of British Columbia, students can take first-year biology courses, and at Bishop's and Simon Fraser, students may enter any program with Science 30. A number of other universities have yet to respond to a request for information on the acceptance of Science 30. Others will also be contacted, particularly community and junior colleges. A list of out-of-province universities that have responded is available upon request.

For more information, contact Raja Panwar at 427–2984.

Professional Development

Needs Assessment

The Alberta Teachers' Association and Alberta Education are working together to facilitate professional development opportunities for senior high science teachers implementing the new curriculum. The first step in this process, "Teacher Professional Development Needs Survey, Senior High Science", was sent to all high school science teachers in January. The results of this survey will be used to determine the specific nature of the inservice needs, advising the partners as to the direction inservice planning should take. Although the deadline for submission of completed survey forms was given as January 17, it will be useful to planners to receive as many surveys as possible. Do not hesitate to send in the survey, even if late.

For more information, contact Bev Romanyshyn at 427–2984.

Provincial Information Sessions — Science 30, Biology 30, Chemistry 30, Physics 30

The Curriculum Branch and Student Evaluation Branch science teams and field validation teachers will be presenting nine, one-day information sessions on the 30-level sciences during February and March.

The agenda will include program and resource information, science–technology–society (STS) strategy explorations, assessment and evaluation information, and general discussion. Jurisdictions were invited to send teachers to these weekday sessions. Information sessions are scheduled for:
Camrose (February 24), Red Deer (February 25), Calgary (March 4), Vegreville (March 9), Edmonton (March 10 and 11), Grande Prairie (March 18), Airdrie (March 24) and Lethbridge (March 25).

If demand warrants, five additional single Saturday inservice sessions, designed to address the needs expressed in the survey, will be offered. Single Saturday sessions are tentatively scheduled for Red Deer (February 26), Calgary (March 5), Edmonton (March 12), Grande Prairie (March 19) and Lethbridge (March 26).

For more information or to register, contact Shirley VanOene at 427–2984 or fax the registration form to 422–3745.

Science (French)

The following basic resources are authorized and are available from the LRDC:

Science 10

- *Vision 1 Manuel de l'élève* (Gage Educational Publishing Co.).

Biology 20–30

- *Biologie — Principes, phénomènes et processus* (Guérin éditeur Ltée.).

For more information, contact Ghislaine Lavergne at 427–2940.

Social Studies

LXR Item Banks for Macintosh

LXR item banks for Macintosh are available for Social Studies 10, 20, 30, 13, 23 and 33 from the Alberta Distance Learning Centre.

For more information, contact Instructional Technology and Media at 674–5333, extension 179.

Social Studies (French)

The following is authorized as a teaching resource and is available from the LRDC:

Social Studies 20, Topic A
Social Studies 30, Topic B

- *Civilisation occidentale — Tome II — du seizième siècle au vingtième siècle (4e éd.)*, Guérin éditeur Ltée.

For more information, contact Alain Nogue or Denise Stocco at 427–2940.

OTHER NEWS

Workshop — Whole Learning: Teaching for Understanding

Saturday, May 7, 1994
8:30 am – 4:00 pm
Barnett House

Consultant: Dr. Dorothy G. Hamilton

This workshop will examine the ideas presented by selected people who are investigating ways of making effective connections which lead to increased understanding. It is designed for all levels of elementary through post-secondary education and is suitable for administrators, teachers, curriculum specialists and professors. The format will involve group activity and interaction.

For more information, contact Judith Axelson at 450–3699.

Attention Teachers/Principals of Schools Undergoing Construction or Renovation

Out of concern for the safety of Alberta students, the Alberta Construction Safety Association has provided *Danger, Keep Out!*, a package consisting of a video, teacher's guide and booklet, to all superintendents. These materials are intended to teach children about the dangers of playing near construction sites. The print material may be copied for each school jurisdiction.

Contact your superintendent's office to access these materials.

As well, the Alberta Construction Safety Association has eight regional safety committees throughout the province. School principals may contact these committees to obtain speakers.

For more information, contact the Alberta Construction Safety Association at 1–800–661–2272.

1994 Anti-racism Campaign

Each year the Government of Canada undertakes a national Anti-racism Campaign centered around March 21 — the International Day for the Elimination of Racial Discrimination. The Government of Canada, through its multicultural programs, is offering two publications that educators will find useful. There are separate versions for elementary and secondary schools.

Stop Racism — Teacher's Guide

This publication was developed by educators and contains suggestions for activities to be done in the classroom throughout the school year.

Winning Ideas to Stop Racism

This colourful magazine is targeted for a student audience. It features projects submitted by students and selected in an annual "Together We're Better" contest.

Buttons

These feature the message, "Let's Stop Racism".

When ordering, specify elementary or secondary and French or English.

Send your order to Anti-racism Campaign, Government of Canada, 25 Eddy, 11th Floor, Hull, Quebec, K1A 1K5,
Telephone (819) 997–8328,
Fax (819) 953–7318.

Note: Quantities are limited.

New Immigrants...New Neighbours

Alberta Economic Development and Tourism — Immigration and Settlement has developed a teaching resource addressing selected objectives of Social Studies 7, Topic C. The resource contains several activities based on current information about immigration to Alberta and Canada. Copies of this resource were distributed in December to all schools with Grade 7 classes.

For additional copies of *New Immigrants... New Neighbours*, send your request to Alberta Economic Development and Tourism, Immigration and Settlement, 4th floor, City Centre, 10155 – 102 Street, Edmonton, Alberta, T5J 4L6.

Earth Science Content of School Curricula

The Canadian Geoscience Education Board was founded earlier this year under the auspices of the Canadian Geoscience Council (CGC). The board is concerned with all levels of geoscience education from kindergarten to continuing education for practicing earth scientists.

One objective is to ascertain what geoscience is currently included in the curricula of the various school systems throughout Canada and what plans, if any, are currently being made to change this component of the curriculum in any way and at any level.

The CGCs "EdGEO" Program of Workshops on Earth Science (designed for science teachers of all levels) are held at various centres across the country and have been of help to many teachers over the years.

Further details of these programs and their proposed locations in 1994 can be obtained from Dr. Robert Greggs, Chairman, EdGEO Workshop Committee, 283 Point McKay Terrace NW, Calgary, Alberta, T3B 5B6.

Prime Minister Announces Winners of Awards for Outstanding Science, Technology and Mathematics Teaching

Prime Minister Jean Chrétien recently announced the first recipients of the *Prime Minister's Awards for Teaching Excellence in Science, Technology and Mathematics*. The awards were established to recognize exemplary elementary and secondary school educators in these disciplines.

The awards were given to elementary and secondary school teachers who have had a major, proven impact on student performance and interest in science, technology and mathematics.

A total of 191 winners were chosen this year from almost 500 nominations submitted. Fifteen national, 35 provincial/territorial and 141 local awards were provided.

Alberta's national winner was Jean Hetherington, a Grade 5/6 teacher at York School in Edmonton. Ms. Hetherington developed several science units that resulted in student achievement well above the district norms, and introduced students to the real world of science outside the classroom through mentorship programs.

Alberta's provincial winners were James Bererton, M. E. LaZerte Composite High School in Edmonton; Jenny Bererton, Bonnie Doon Composite High School in Edmonton; Gloria Cathcart, Malmo Elementary School in Edmonton and Marilyn Harrison, R. B. Bennett Elementary School in Calgary.

Alberta's local winners were Vrinder Anand, Alberta College in Edmonton; Gilbert Andruski, Elnora School in Elnora; André Asselin, Alberta Vocational College — Lesser Slave Lake in McLennan; Cynthia Ballheim, St. Mary's High School in Calgary; Alan Bassett, Ian Bazalgette Junior High School in Calgary; Victor Bruzga, St. Stephen Elementary–Junior High School in Calgary; Beverley Dunne, Angela Sirianni and Joyce Stretch, St. Rita Elementary School in Calgary; James Ellefson, Central School in Thorhild; Terry Freeman, Ross Glen School in Medicine Hat; Mary Goede-Kohn, Prairie River Junior High School in High Prairie; Ryan Lengsfeld, St. Augustine Elementary and Junior High School in Calgary; Barrie Levasseur, Lindsay Thurber Comprehensive High School in Red Deer; Marlee Lovatt and Helen Siemens, Lester B. Pearson High School in Calgary; Gary McFarlane, Medicine Hat High School in Medicine Hat; Suan Nisbet, McNally Composite High School in Edmonton; Vladimir Pasek, Archbishop O'Leary High School in Edmonton; John Piers, Neerlandia School in Barrhead; Robert Ritter, Austin O'Brien High School in Edmonton; Cheryl Van Dusen, Banff Community High School in Banff; Gillian Vas, Wrentham School in Wrentham.

For more information, contact Gina Vivone-Vernon at 427–2984.

The Career Planner

The Career Planner, a new publication produced by Advanced Education and Career Development, is available from the LRDC. *The Career Planner* was created for adults. It is written in plain language and provides information on career paths, but may be useful for junior and senior high school students and counsellors.

For more information, contact Gina Vivone-Vernon at 427–2984.

Commonwealth Essay Competition, 1993–94

The Royal Commonwealth Society is inviting Alberta students to participate in their annual Commonwealth Essay Competition. This international competition has valuable book and travel prizes. The competition is organized in four classes, based on age, with four prizes in each class.

Last year, 28 of the 130 Canadian schools participating in the competition were from Alberta. Seventeen of the 93 Alberta entries were "Highly Commended" or "Commended". The Examiners' Reports for previous competitions contain suggestions and guidelines for teachers whose students wish to enter the competition.

For copies of the regulations and topics for 1993–94, contact Sharon Mott at 427–2984.

National Library of Canada
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3 3286 50808 1854

Remington-Alberta Carriage Centre

The newly opened Remington-Alberta Carriage Centre in Cardston, Alberta, houses over 217 horse-drawn vehicles. In a hands-on and curriculum-connected way, the centre's interpretive displays and programs present the North American story of horse-drawn transportation.

Teachers of social studies, science, language arts and fine arts are encouraged to contact the centre for further information, relevant education resources and/or a program booking at (403) 653–5139.

Celebrating Life in the Middle

The Alberta Middle School Association announces a conference: "Celebrating Life in the Middle", featuring James Bean, Louis University, Wisconsin; Sue Swaim, Curriculum Task Force Chair; Gerry Smith, Principal, River Oaks School, Ontario and Dr. Stephen Murgatroyd.

Participants will tour Mary Butterworth Junior High School, John D. Bracco Junior High School and Kate Chegwin Junior High School in Edmonton, Riverview Middle School in Devon.

The conference is sponsored by the Devon School District and the Alberta Middle School Association.

For more information, contact Stephen Lindop at 987–2204.

Communicating about Sexuality: Facing the Challenges

A conference for professionals working in the areas of sexuality education, counselling and clinical service will be held March 16–18, 1994 at the Edmonton Inn.

For more information, contact Penny Cuddy at 427–2653.

LRDC Orders

LRDC orders can be purchased at:

Learning Resources Distributing Centre
12360 – 142 Street
Edmonton, Alberta
T5L 4X9
Telephone: (403) 427–2767
Fax: (403) 422–9750.

Connection is a publication of Alberta Education. For more information or for additional copies, contact the Editor, Curriculum Branch, 5th Floor, East Tower, Devonian Building, 11160 Jasper Avenue, Edmonton, Alberta, T5K 0L2. Telephone 422–4872, Fax 422–5129.

We welcome your comments and suggestions.

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Alberta
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